Appl. No. 10/525,174
Amendment and/or Response
Reply to Office action of February 5, 2008

Page 2 of 13

Amendments to the Specification:

Please replace paragraph [0008] of the specification, as published, with the following amended paragraph:

It is an object of the invention to produce a straightened reformat which reduces discontinuities in the array of data in the new object data set. This is achieved according to the method of our invention which is characterized in that, a reference direction is determined in each cross sectional slice, and the object data set is created by concatenating the cross sectional slices, each cross sectional slice orientated so that the reference directions in the cross sectional slices are aligned. Further, a computer program may be provided containing instructions for the production of the straightened reformat from successive cross sectional slices from within the object data set. For example, the computer program contains instructions for a reference direction to be determined within each cross sectional slice, and further instructions for the cross sectional slices to be aligned by alignment of the individual reference directions. Likewise, a workstation may be provided for producing, displaying and using images, and containing instructions for the production of the straightened reformat from successive cross sectional slices from within the object data set. For example, the instructions may cause a reference direction to be determined within each cross sectional slice, and the cross sectional slices to be aligned by alignment of the individual reference directions.